

D-7142

M.Sc. (IVth Semester) Examination, 2020

COMPUTER SCIENCE

(Mobile Computing and Application Development)

Time Allowed : Three Hours

Maximum Marks : 70

SECTION - A

Note : Attempt any ten questions. Each question carries
one mark. **10**

Q. 1. Objective Type :

Fill in the blanks :

(1) Wireless communication is the _____
transfer of information between two or more
points.

(2) Name of Android OS version 8.0 is _____.

(2)

- (3) In which directory XML layout files are stored
_____.
- (4) A layout defines the structure for a user
interface in your APP, such as in an _____.
- (5) A toast provides simple _____ about an
operation in a small popup.

Multiple choice type :

- (6) GSM stands for :
- (a) Graphics system management
 - (b) Global system for mobile communication
 - (c) Global sim management
 - (d) Graphics service management
- (7) HLR stands for :
- (a) Home Location Registers
 - (b) High Level Registers
 - (c) Home Level Registers
 - (d) High Location Registers

(3)

(8) Android OS is based on :

- (a) Windows
- (b) OS/2
- (c) Mac
- (d) Linux

(9) The Android component that shows the part of an activity on screen is called :

- (a) Intent
- (b) Fragment
- (c) View
- (d) Manifest

(10) The types of intents in Android is/are :

- (a) Explicit intent
- (b) Implicit intent
- (c) Start intent
- (d) (a) and (b)

(4)

(11) Which of the following is an example of UI elements :

- (a) Button
- (b) Image
- (c) Click
- (d) (a) and (b)

(12) What method you should override to menu system ?

- (a) onCreateOptionsMenu ()
- (b) onCreateContextMenu ()
- (c) onCreateMenu ()
- (d) onCreateOptionsMenu ()

SECTION - B

Note : Attempt any five questions. Each question carries 2 marks. **10**

(5)

Q. 2. Very short answer type (25-30 words) :

- (1) What is mobile IP ?
- (2) What is low orbit satellite ?
- (3) What is Android Emulator ?
- (4) What is Intent ?
- (5) What is Toggle Button ?
- (6) What is exception handling ?
- (7) What is Toast ?

SECTION - C

Note : Attempt any five questions. Each question carries
4 marks. **20**

Q. 3. Short answer type (250 words) :

- (1) What is CDMA ? Explain CDMA technology
in brief.
- (2) Describe route optimization in Mobile IP.
- (3) Describe the features of Android.

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(6)

- (4) What is fragment ? Write the procedure to
create a fragment.
- (5) What is Android UI ? Explain Android UI
design in brief.
- (6) Describe development of application using
UI programming.
- (7) Explain android application priorities.

SECTION - D

Note : Attempt any three questions. Each question
carries 10 marks. **30**

Q. 4. Essay type (more than 500 words) :

- (1) What is wireless communication technologies ?
Explain various types of wireless
communication technologies.

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(7)

(2) Describe the architecture of Android in detail.

(3) What are GUI objects ? Describe in detail.

(4) Describe dialog, list and adapters in detail.

